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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Page 1 of 4

Complete if Known

Application Number	10/080,273
Filing Date	February 19, 2002
First Named Inventor	Lu, Peter S., et. al.
Art Unit	1841 1644
Examiner Name	/Marianne DiBrino
Attorney Docket Number	020054-002310US

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U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
MD	A1	US-5,632,994		05/27/97	Reed et al.	
MD	A2	US-5,747,245		05/05/98	Reed et al.	
MD	A3	US-5,876,939		03/02/99	Reed et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
MD	B1	PCT	WO 98/05347	A1	02-12-1998	Sato et al.		<input type="checkbox"/>
	B2	PCT	WO 98/23781	A1	06-04-1998	Li et al.		<input type="checkbox"/>
	B3	PCT	WO 98/40407	A1	09-17-1998	Worley et al.		<input type="checkbox"/>
	B4	PCT	WO 99/03974	A1	01-28-1999	Zucker et al.		<input type="checkbox"/>
	B5	PCT	WO 99/07846	A1	02-18-1999	Fundakowski et al.		<input type="checkbox"/>
	B6	PCT	WO 00/15794	A1	03-23-2000	Jue et al.		<input type="checkbox"/>
	B7	PCT	WO 00/31124	A2	06-02-2000	Lin et al.		<input type="checkbox"/>
	B8	PCT	WO 00/48002	A1	08-17-2000	Spilantini et al.		<input type="checkbox"/>
	B9	PCT	WO 00/69897	A2	11-23-2000	Arbor Vita Corp		<input type="checkbox"/>
MD	B10	PCT	WO 00/69898	A2	11-23-2000	Arbor Vita Corp		<input type="checkbox"/>

Examiner
Signature

/Marianne DiBrino/

Date
Considered

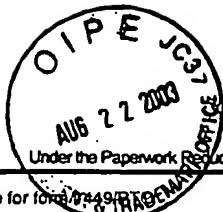
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First Named Inventor	Lu, Peter S., et. al.
Art Unit	4644 1644
Examiner Name	/Marianne DiBrino/
Attorney Docket Number	020054-002310US

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NON PATENT LITERATURE DOCUMENTS

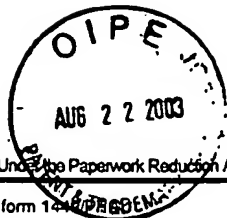
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MD	C1	Altin, J. and Sloan, E. "The role of CD45 and CD45-associated molecules in T cell activation" <i>Immunology and Cell Biology</i> , 1997, pp. 430-445, Vol. 75.	
	C2	Bals, R. et al. "Augmentation of Innate Host Defense by Expression of a Cathelicidin Antimicrobial Peptide", <i>Infection and Immunity</i> , November 1999, pp. 6084-6089, Vol. 67, No. 11.	
	C3	Barday, A., et al., "The Leucocyte Antigen Factsbook", <i>Harcourt Brace & Company</i> , page 363, (1997).	
	C4	Bruyns, E. et al. "Identification of the Sites of Interaction between Lymphocyte Phosphatase-associated Phosphoprotein (LPAP) and CD45", <i>Journal of Biological Chemistry</i> , December 29, 1996, pp. 31372-31376, Vol. 270, No. 52, U.S.A.	
	C5	Cherukuri, A. et al. "Floating the raft hypothesis: lipid rafts play a role in immune cell activation", <i>Immunity</i> , June 2001, pp.657-660, Vol. 14, Cell Press.	
	C6	Ding, I. Et al., "Biochemical and Functional Analysis of Mice Deficient in Expression of the CD45-Associated Phosphoprotein LPAP", <i>European Journal of Immunology</i> , 29(12):3956-61 (1999).	
	C7	Doyle, D. A., et al., "Crystal structures of a complexed and peptide-free membrane protein-binding domain: molecular basis of peptide recognition by PDZ", <i>Cell</i> , 85(7):1067-76, (1996).	
	C8	Faulkner, G. et al. "A New Z-band Alternatively Spliced PDZ-motif Protein." <i>The Journal of Cell Biology</i> , July 26, 1999; pp. 465-475, Vol. 146, No. 2.	
	C9	Gardioli, D. et al. "Oncogenic human papillomavirus E6 proteins target the discs large tumour suppressor for proteasome-mediated degradation", <i>Oncogene</i> , 18(40):5487-5496, (1999).	
	C10	Gee, S.H. et al., "Interaction of Muscle and Brain Sodium Channels with Multiple Members of the Syntrophin Family of Dystrophin-Associated Proteins", <i>J. Neuroscience</i> , 18(1):128-137, (1998).	
	C11	Gee, S.H., et al., "Cyclic Peptides as Non-carboxyl-terminal Ligands of Syntrophin PDZ Domains", <i>The Journal of Biological Chemistry</i> , 273(34):21980-21987, (1998).	
	C12	Hanada, T., et al., "Human Homologue of the Drosophila Discs Large Tumor Suppressor Binds to p56 ^{lck} Tyrosine Kinase and Shaker Type Kv1.3 Potassium Channel in T. Lymphocytes", <i>The Journal of Biological Chemistry</i> , 272(43):26899-26904, (1997).	
MD	C13	Kiyono, T. et al. "Binding of high-risk human papillomavirus E6 oncoproteins to the human homologue of the Drosophila discs large tumor suppressor protein", <i>Proc. Natl. Acad. Sci.</i> , October 1997, pp. 11612-11616, Vol. 94, U.S.A.	

Examiner Signature	07/31/2006	Date Considered	07/31/2006
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Application Number	10/080,273
Filing Date	February 19, 2002
First Named Inventor	Lu, Peter S., et. al.
Art Unit	1644-1699
Examiner Name	/Marianne DiBrino
Attorney Docket Number	020054-002310US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
MD	C14	Kobayashi, I., et al., "Identification of an Autoimmune Enteropathy-related 75-kilodalton Antigen", <i>Gastroenterology</i> , October 1999, pp. 823-830, Vol. 117, No. 4.
	C15	Maekawa, K., et al., "Association of Protein-Tyrosine Phosphatase PTP-BAS with the Transcription-factor-inhibitory Protein IxBa Through Interaction Between the PDZ1 Domain and Ankyrin Repeats", <i>Biochemical Journal</i> , 337(2):179-187, (1999).
	C16	Nagase, T. et al. "Prediction of the Coding Sequence of Unidentified Human Genes. V1. The Coding Sequences of 80 New Genes (KIAA0201-KIAA0280) Deduced by Analysis of cDNA Clones from Cell Line KG-1 and Brain", <i>DNA Research</i> , 1996, pp. 321-329, Vol. 3.
	C17	Nagase, T. et al. "Prediction of the Coding Sequence of Unidentified Human Genes. V1. The Coding Sequences of 80 New Genes (KIAA0201-KIAA0280) Deduced by Analysis of cDNA Clones from Cell Line KG-1 and Brain (Supplement)", <i>DNA Research</i> , 1996, pp. 341-354, Vol. 3, Supplement.
	C18	Nishihara, H. et al. "Non-adherent cell-specific expression of DOCK2, a member of the human CDM-family proteins", <i>Biochimica et Biophysica Acta</i> , 1999, pp. 179-187, Elsevier Publishing.
	C19	Nishihara, H. "Analysis of Hematopoietic Cell Specific Protein, M-DOCK", <i>Hokkaido Igaku Zasshi</i> , March 1999, p. 157-166, Vol. 74, No. 2.
	C20	Patel, V. et al., "A Molecular Framework for 2-Step T Cell Signaling: Lck Src Homology 3 Mutations Discriminate Distinctly Regulated Lipid Raft Reorganization Events", <i>Journal of Immunology</i> , 166(2):754-64 (2001).
	C21	Reynaud, C. et al., "The PDZ Protein TIP-1 Interacts with the Rho Effector Rhotekin and Is Involved in Rho Signaling to the Serum Response Element", <i>The Journal of Biological Chemistry</i> , 275(43):33962-33968, (2000).
	C22	Rousset, R., et al., "The C-terminus of the HTLV-1 Tax oncoprotein mediates interaction with the PDZ domain of cellular proteins", <i>Oncogene</i> , 16(5):643-54, (1998).
	C23	Saras, J., et al., "PDZ Domains Bind Carboxy-Terminal Sequences of Target Proteins", <i>Tibs Trends in Biochemical Sciences</i> , en, Elsevier Publication, Cambridge, 21(12):455-458, (1996).
	C24	Schepens, J., et al., "The Neuronal Nitric Oxide Synthase PDZ Motif Binds to -G(D.E)XV Carboxy Terminal Sequences", <i>Febs Letters</i> , 409(1-2):53-56, (1997).
MD	C25	Shibuya, A., et al., "DNAM-1, A Novel Adhesion Molecule Involved in the Cytolytic Function of T Lymphocytes", <i>Immunity</i> , 4:573-581, (1996).

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Signature

/Marianne DiBrino/

Date
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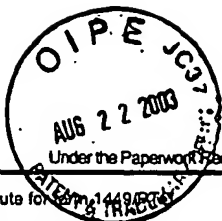
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**INFORMATION DISCLOSURE
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Application Number	10/080,273
Filing Date	February 19, 2002
First Named Inventor	Lu, Peter S., et. al.
Art Unit	1041 1644
Examiner Name	/Marianne DiBrino/
Attorney Docket Number	020054-002310US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
MD	C26	Shibuya, A., et al., "Protein Kinase C is Involved in the Regulation of Both Signaling and Adhesion Mediated by DNAX Accessory Molecule-1 Receptor", <i>The Journal of Immunology</i> , 161:1671-1676, (1998).	
	C27	Shibuya, K., et al., "Physical and Functional Association of LFA-1 with DNAM-1 Adhesion Molecule", <i>Immunity</i> , 11:615-623, (1999).	
	C28	Suzuki, T., et al., "Tax oncoprotein of HTLV-1 binds to the human homologue of Drosophila discs large tumor suppressor protein, hDLG, and perturbs its function in cell growth control", <i>Oncogene</i> , 18(44):5967-72, (1999).	
	C29	Vallénus, T. et al. "CLP-36 PDZ-LIM Protein Associates with Nonmuscle alpha-Actinin-1 and alpha-Actinin-4." <i>The Journal of Biological Chemistry</i> , April 14, 2000; pp. 11100-11105, Vol. 275, No. 15.	
	C30	Wechsler, A. et al. "Brain Spectrin binding to the NMDA receptor is regulated by phosphorylation, calcium and calmodulin." <i>The EMBO Journal</i> , 1998, pp. 3931-3939, Vol. 17, No. 14.	
	C31	Xia, H. et al. "Actinin-associated LIM Protein: Identification of a Domain Interaction between PDZ and Spectrin-like Repeat Motifs", <i>The Journal of Cell Biology</i> , October 1997, pp. 507-515, Vol. 139, No. 2.	
	C32	Yanagisawa, J., et al., "The Molecular interaction of Fas and FAP-1. A tripeptide blocker of human Fas interaction with FAP-1 promotes Fas-induced apoptosis", <i>J. Biol. Chem.</i> , 272(13):8539-8545, (1997).	
	C33	GenBank, Accession Number BM845132, 03/06/2002	
	C34	GenBank, Accession Number CB131761, 01/29/2003	
	C35	GenBank, Accession Number CB961389, 04/28/2003	
	C36	GenBank, Accession Number CB995033, 04/30/2003	
	C37	Genbank, Accession Number D86964, 02/07/1999	
	C38	OMIM Database entry entitled, '147138 Fc Fragment of IgE, High Affinity I, Receptor for, Beta Subunit; FCER1B', www.ncbi.nlm.nih.gov/htbin-post/Omim/dispim?147138 , 08/27/1992 Victor A. McKusick.	
MD	C39	OMIM Database entry entitled, "603122 Dedicator of Cytokinesis 2; Dock 2" www.ncbi.nlm.nih.gov/htbin-post/Omim/dispim?603122 , 10/12/1998 Rebekah S. Rasooly.	

Examiner Signature	/Marianne DiBrino/	Date Considered	07/31/2006
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PTO/SB/08A (08-03)

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				Application Number	10/080,273
				Filing Date	February 19, 2002
				First Named Inventor	Lu, Peter S.
				Art Unit	1644
				Examiner Name	Dibrino, Marianne
Sheet	1	of	1	Attorney Docket Number	020054-002310US

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MD	C1	Coligan, John et al. "Antibody Detection and Preparation" <u>Current Protocols in Immunology, Supplement 1</u> , 1991, pp. 2.0.1-2.1.18.	
MD	C2	GenBank, Accession Number AF028823, 12/01/1999	
MD	C3	Schraven, Burkhardt et al. "LPAP, a Novel 32-kDa Phosphoprotein That Interacts With CD45 in Human Lymphocytes", <i>J. Biological Chemistry</i> , Nov. 18, 1994; pp. 29102-29111, Vol. 269, No. 46.	

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MD	C1	BURGESS, WILSON H. et al. "Possible Dissociation of the Heparin-binding and Mitogenic Activities of Heparin-binding (Acidic Fibroblast) Growth Factor-1 from Its Receptor-binding Activities by Site-directed Mutagenesis of a Single Lysine Residue" Journal of Cell Biology, Nov. 1990, pp. 2129-2138, Vol. 111, The Rockefeller University Press.	
MD	C2	LAZAR, ELIANE et al. "Transforming Growth Factor α : Mutation of Aspartic Acid 47 and Leucine 48 Results in Different Biological Activities" Molecular and Cellular Biology, March 1988, pp. 1247-1252, Vol. 8, No. 3.	
MD	C3	MIKAYAMA, TOSHIFUMI et al. "Molecular cloning and functional expression of a cDNA encoding glycosylation-inhibiting factor" Proc. Natl. Acad. Sci., Nov. 1993, pp. 10056-10060, Vol. 90.	

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MD	B1	PCT	WO 00/69896	A2	11-23-2000	Arbor Vita Corp		<input type="checkbox"/>
MD	B2	PCT	WO 02/42422	A2	05-30-2002	Arbor Vita Corp		<input type="checkbox"/>

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	C1			
	C2			
	C3			

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Sheet	1	of	2	Attorney Docket Number	020054-002310US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MD	A1	US-5,863,898	01-26-1999	Goli et al.	
	A2	US-5,958,731	09-28-1999	Yue et al.	
	A3	US-5,976,819	11-02-1999	Finkel et al.	
	A4	US-6,174,702 B1	01-16-2001	Lai et al.	
	A5	US-2002/0058607 A1	05-16-2002	Sato et al.	
	A6	US-2002/0147306 A1	10-10-2002	Lin et al.	
MD	A7	US 2003/0203414 A1	10-30-2003	Sato et al.	
	A8				

FOREIGN PATENT DOCUMENTS								
Examiner Initials [*]	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
MD	B1	PCT	WO 02/31512	A2	04-18-2002	Arbor Vita Corp		<input type="checkbox"/>
MD	B2	PCT	WO 03/014303	A2	02-20-2003	Arbor Vita Corp		<input type="checkbox"/>
MD	B3	CA	2,273,622	A1	12-02-2000	Tymiansky, M.		<input type="checkbox"/>

Examiner Signature	/Marianne DiBrino/	Date Considered	07/31/2006
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PTO/SB/08B (03-03)

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/080,273
		Filing Date	February 19, 2002
		First Named Inventor	Lu, Peter S.
		Art Unit	1644
		Examiner Name	Dibrino, Marianne
Sheet 2 of 2	Attorney Docket Number	020054-002310US	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MD	C1	BRENMAN et al. "Interaction of nitric oxide synthase with the postsynaptic density protein PSD-95 and alpha1-syntrophin mediated by PDZ domains." Cell, 1996, pp. 757-767, Vol. 84, No. 5	
	C2	FABRE, STÉPHANE et al. "Identification of functional PDZ domain binding sites in several human proteins" Molecular Biology Reports, 2000, pp. 217-224, Vol. 27, No. 4.	
	C3	FORD, KG et al. "Protein transduction: an alternative to genetic intervention?" Gene Therapy, 2001, pp. 1-4, Vol. 8, Nature Publishing Group.	
	C4	HARRIS, BARUCH Z. & LIM, WENDELL A. "Mechanism and role of PDZ domains in signaling complex assembly" Signal Transduction and Cellular Organization, Journal of Cell Science, 2001, pp. 3219-3231, Vol. 114.	
	C5	KORNAU et al. "Domain interaction between NMDA receptor subunits and the postsynaptic density protein PSD-95." Science, 1995, pp. 1737-1740, Vol. 269, No. 5231.	
	C6	LEE, SIU SYLVIA et al. "Binding of human virus oncoproteins to hDlg/SAP97, a mammalian homolog of the Drosophila discs large tumor suppressor protein" Proceedings of the Nat. Acad. Of Sci. USA, June 1997, pp. 6670-6675, Vol. 94.	
	C7	MARFATIA, SHIRIN et al. "The PDZ domain of human erythrocyte p55 mediates its binding to the cytoplasmic carboxy terminus of Glycophorin C" The Journal of Biological Chemistry, September 1997, pp. 24191-24197, Vol. 272, No. 39	
	C8	NIETHAMMER, MARTIN et al. "CRIPT, a Novel Postsynaptic Protein that Binds to the Third PDZ Domain of PSD-95/SAP90" Neuron, April 1998, pp. 693-707, Vol. 20, Cell Press.	
MD	C9	SONGYANG, Z. ET AL. "Recognition of Unique Carboxyl-Terminal Motifs by Distinct PDZ Domains" Science, 3 January 1997, pp. 73-77, Vol. 275.	
	C10	WANG, YU TIAN et al. "Ca ²⁺ -independent reduction of N-methyl-D-aspartate channel activity by protein tyrosine phosphatase" PNAS USA, Feb. 1996, pp. 1721-1725, Vol. 93.	
	C11		

Examiner Signature	/Marianne DiBrino/	Date Considered	07/31/2006
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